

# INTERNATIONAL SEARCH REPORT

Inte ial Application No  
PCT/IB2004/003599

<b>A. CLASSIFICATION OF SUBJECT MATTER</b>					
IPC 7 G12B21/02 G12B21/08 G01B7/34 G01B11/30 G01B5/28					
According to International Patent Classification (IPC) or to both national classification and IPC					
<b>B. FIELDS SEARCHED</b>					
Minimum documentation searched (classification system followed by classification symbols) IPC 7 G12B G01B					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched					
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) EPO-Internal, WPI Data, PAJ, INSPEC, IBM-TDB					
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>					
Category °	Citation of document, with indication, where appropriate, of the relevant passages				Relevant to claim No.
X	US 5 245 863 A (OKADA TAKAO ET AL) 21 September 1993 (1993-09-21) abstract; figures 1,7,9 column 2, lines 63-66 column 4, lines 54-56				1-7
X	VIANI M B ET AL: "SMALL CANTILEVERS FOR FORCE SPECTROSCOPY OF SINGLE MOLECULES" JOURNAL OF APPLIED PHYSICS, AMERICAN INSTITUTE OF PHYSICS. NEW YORK, US, vol. 86, no. 4, 15 August 1999 (1999-08-15), pages 2258-2262, XP000934881 ISSN: 0021-8979 abstract; figures 1,2 page 2258, column 1, lines 29-31 page 2259, column 1, lines 28-30 page 2259, column 2, lines 3-13				1-7
					-/-
<input checked="" type="checkbox"/>	Further documents are listed in the continuation of box C.				<input checked="" type="checkbox"/> Patent family members are listed in annex.
* Special categories of cited documents :					
"A" document defining the general state of the art which is not considered to be of particular relevance					
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"&" document member of the same patent family					
Date of the actual completion of the international search			Date of mailing of the International search report		
14 March 2005			21/03/2005		
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016			Authorized officer  Popovici, M		

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/080186 A (HOH JAN H ;UNIV JOHNS HOPKINS (US)) 10 October 2002 (2002-10-10) page 3, lines 15-23; figures 2B,2C,2D,2E page 7, line 15 – page 8, line 2 page 12, lines 15-21 page 20, lines 8-20 page 30, lines 17-23 -----	1,2,5
A	WALTERS D A ET AL: "ATOMIC FORCE MICROSCOPY USING SMALL CANTILEVERS" PROCEEDINGS OF THE SPIE, SPIE, BELLINGHAM, VA, US, vol. 3009, 1997, pages 43-47, XP001150337 ISSN: 0277-786X the whole document -----	1
A	KIKUKAWA A ET AL: "IN-LINE OPTICAL LEVER SYSTEM FOR ULTRASMALL CANTILEVER DISPLACEMENT DETECTION" JAPANESE JOURNAL OF APPLIED PHYSICS, PUBLICATION OFFICE JAPANESE JOURNAL OF APPLIED PHYSICS. TOKYO, JP, vol. 39, no. 4A, PART 1, 1 April 2000 (2000-04-01), pages 1885-1889, XP001014943 ISSN: 0021-4922 the whole document -----	1

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Patent document cited in search report	Publication date		Patent family member(s)		Publication date
US 5245863	A 21-09-1993		JP 4070506 A JP 2945725 B2 JP 4077611 A DE 4122697 A1 US 5394741 A		05-03-1992 06-09-1999 11-03-1992 16-01-1992 07-03-1995
WO 02080186	A 10-10-2002		WO 02080186 A1 US 2005011256 A1		10-10-2002 20-01-2005